

Claims

1. A convection oven for use in a vehicle, having an oven cavity with an air inlet and an air outlet, an air feed conduit for feeding an air feed into the oven cavity
5 through the air inlet and a heating arrangement for heating the air feed before it is fed into the oven cavity, the heating arrangement comprising a heating device that is electrically powered and being arranged to maintain a temperature of at least 130°C in the oven cavity.
- 10 2. An oven according to claim 1, in which the heating arrangement comprises a first heating device and a second heating device.
3. An oven according to claim 2, in which the air feed is heated by the first and second heating devices in series.
- 15 4. An oven according to claim 2 or claim 3, in which one of said first and second heating devices comprises electrically powered heater elements which are located within the air feed conduit.
5. An oven according to any one of claims 1 to 4, in
20 which the first heating device and/or the second heating device can be connected to a vehicle motor and can be powered thereby.
6. An oven according to any one of the preceding claims, in which the first and second heating devices can be
25 powered by power means present on a vehicle motor.
7. An oven according to any one of the preceding claims, in which at least one of the first and second heating devices comprises a combustion device for generating hot

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combustion gases which can be used to heat the air feed.

8. An oven according to claim 7, which comprises heat exchange means for passing the hot combustion gases in heat exchange relationship with the air feed.

5 9. An oven according to any one of the preceding claims, which further comprises a control device arranged to permit regulation of said first and second heating devices to obtain a desired temperature with the oven cavity.

10 10. An oven according to any one of the preceding claims, which further comprises adapter means arranged to permit at least a part of the heating arrangement to be selectively supplied with mains power when desired.

11. An oven according to any one of the preceding claims, in which the arrangement is such that the oven cavity can
15 be maintained at a temperature of at least 150°C.

12. An oven according to any one of the preceding claims, in which the volume of the oven cavity is not more than 0.15m³.

13. An oven according to any one of the preceding claims,
20 in which the heating arrangement can generate a temperature of at least 130°C when the oven contains 10kg of food in individual portions of about 400g.

14. A vehicle comprising an oven according to any use of the preceding claims.

25 15. A vehicle according to claim 14, which vehicle is powered by an internal combustion engine.

16. A vehicle according to claim 14 or claim 15, in which there is provided a combustible fuel.

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17. A vehicle according to any one of claims 14 to 16, in which the vehicle has an internal combustion engine and the oven is heatable in part from an electrical current derived from said engine.

5 18. A vehicle according to any one of claims 14 to 17, which comprises two ovens.

19. A vehicle according to claim 18, in which each oven comprises a respective heating and control arrangement.

20. A vehicle according to claim 18, in which the ovens
10 are heated by a common heating arrangement.